

CLAIMS LISTING

1-9. (cancelled)

10. (currently amended) A method for evaluating the

triboelectrical properties of an array of samples, said method comprising the following steps:

(a) providing on a support in sheet form an array of samples each in a predefined region;

(b) providing an apparatus for evaluating the triboelectrical properties of at least two samples, comprising:

a grounded means for holding a material in sheet form comprising a support provided on at least one surface thereof with at least two samples each in at least one predefined region thereof;

a charging means for tribocharging said at least two samples; and

a means for measuring an electrical property of said at least two samples;

c) tribocharging said array of samples on a support in a sheet form present on a said grounded means; and

~~(e)~~ (d) measuring sequentially an electrical property of a

~~sample~~ said at least two samples with in said array of
tribocharged samples on a support in sheet form present on
said grounded means wherein said at least two samples
comprise at least one sample and at least one internal
reference sample.

11.(currently amended) A method according to claim 10, said method comprising a step ~~(d)~~ (e) of subjecting said samples on said support in sheet form to a post-treatment step chosen from a printing step, a drying step, a moisturising step, a cooling step, a thermal treatment, a UV-curing step, or combinations thereof.

12.(previously presented) A method according to claim 10, wherein statistical calculations are performed on the measured electrical property of said tribocharged samples in said array, wherein each different test sample of said tribocharged samples is present in at least two different columns and rows.

13.(currently amended) A method according to claim 10 ~~An~~
~~apparatus according to claim 2,~~ wherein said grounded means for holding said support provided on at least one

surface thereof with said at least two samples is a rotatable drum.

14. (currently amended) A method according to claim 10 ~~An apparatus according to claim 2~~, comprising a means for performing a calculation on said measured electrical property.

15. (currently amended) A method according to claim 14 ~~An apparatus according to claim 14~~, wherein said means for performing a calculation on said measured electrical property is a computer.

16-17. (cancelled)

18. (currently amended) A method according to claim 10 ~~An apparatus according to claim 2~~, wherein said apparatus comprises:

- a grounded rotatable drum for holding the support in sheet form;
- a charging roller, consisting of or covered with a triboelectric reference material;
- a measuring probe connected to a voltmeter for measuring

electrostatic potentials;

- a computer for handling outgoing and incoming data.

19-21. (cancelled)

22. (currently amended) A method according to claim 10 wherein
said apparatus comprises ~~An apparatus according to claim~~
2, comprising a means for a post-treatment on said at
least two samples.

23. (currently amended) A method according to claim 11 wherein
said apparatus comprises ~~An apparatus according to claim~~
~~3, comprising~~ a means for a post-treatment on said at
least two samples.

24-28. (cancelled)

29. (currently amended) ~~A method for evaluating the~~
~~triboelectrical properties of an array of samples, said~~
~~method comprising the following steps:~~
~~(a) providing on a support in sheet form an array of~~
~~samples each in a predefined region;~~
~~(b) tribocharging~~ according to claim 10 wherein said array
of samples on a support in a sheet form present on a said
grounded means is tribocharged such that a plateau value of

charge is reached for each sample; ~~and~~
~~(c) measuring sequentially an electrical property of a~~
~~sample in said array of tribocharged samples.~~

30. (currently amended) A method according to claim 29, said method comprising a step ~~(d)~~ (e) of subjecting said samples on said support in sheet form to a post-treatment step chosen from a printing step, a drying step, a moisturising step, a cooling step, a thermal treatment, a UV-curing step, or combinations thereof.

31. (previously presented) A method according to claim 30, wherein statistical calculations are performed on the measured electrical property of said tribocharged samples in said array, wherein each different test sample of said tribocharged samples is present in at least two different columns and rows.

32. (previously presented) A method according to claim 29, wherein statistical calculations are performed on the measured electrical property of said tribocharged samples in said array, wherein each different test sample of said

tribocharged samples is present in at least two different columns and rows.

33.(new) A method according to claim 10 wherein said grounded means is a plate moving, back and forth, in a linear translation with respect to said charging means.

34.(new) A method according to claim 10 comprising a step wherein a cleaning station is provided to remove surface contamination of the charging means.

35.(new) A method according to claim 10 wherein said means for measuring an electrical property is a measuring probe operating continuously and scanning sequentially across the samples.

36.(new) A method according to claim 10 wherein in step (a) at least one component in said samples varies according to combinatorial methodology.

37.(new) A method according to claim 10 wherein the area of a predefined region on the support is smaller than 25 cm².

38.(new) A method according to claim 10 wherein said samples have a surface roughness expressed in terms of R_a of smaller than 1 mm.